References

1. Buchberger, B., Collins, G.E., Loos, R. (ed.): Computer Algebra: Symbolic and Algebraic Computation, 2nd edn. Springer, Vienna (1983)
2. Davenport, J.H., Siret, Y., Tournier, E.: Computer Algebra: Systems and Algorithms for Algebraic Computation, 2nd edn. Academic Press, London (1993)
3. Geddes, K.O., Czapor, S.R., Labahn, G.: Algorithms for Computer Algebra. Kluwer Academic Publishers, Boston (1992)
4. von zur Gathen, J., Gerhard, J.: Modern Computer Algebra, 2nd edn. Cambridge University Press, Cambridge (2003)
5. Grozin, A.G.: Using REDUCE in High Energy Physics. Cambridge University Press, New York (1997); paperback edition (2005)
6. Wolfram, S.: The *Mathematica* Book, 5th edn. Wolfram Media, Champaign (2003)
7. Trott, M.: The *Mathematica* GuideBook for Symbolics. Springer Science+Business Media, Inc., New York (2006)
8. Trott, M.: The *Mathematica* GuideBook for Numerics. Springer Science+Business Media, Inc., New York (2006)
9. Trott, M.: The *Mathematica* GuideBook for Graphics. Springer, New York (2004)
10. Trott, M.: The *Mathematica* GuideBook for Programming. Springer, New York (2004)
11. Mangano, S.: *Mathematica* Cookbook, O'Reilly Media, Inc., Sebastopol, CA (2010)
12. Cox, D., Little, J., O'Shea, D.: Ideals, Varieties, and Algorithms, 3rd edn. Springer, New York (2007)
13. Arzhantsev, I.V.: Gröbner Bases and Systems of Algebraic Equations (in Russian), 3rd edn. MCCMO, Moscow (2003). http://www.mccme.ru/free-books/dubna/arjantsev.pdf
14. Kredel, H., Weispfenning, V.: J. Symbolic Computing dimension and independent sets for polynomial ideals **6**, 231 (1988)
15. Fateman, R.J.: A review of *Mathematica*. J. Symbolic Comput. **13**, 545 (1992). (http://www.cs.berkeley.edu/~fateman/papers/mma.pdf); http://www.cs.berkeley.edu/~fateman/papers/mma6rev.pdf
16. Bronstein, M.: Symbolic Integration I. Springer, Berlin (1997)
17. Davenport, J.H.: On the integration of algebraic functions. In: Lecture notes in computer science, vol. 102. Springer, New York (1981)
18. Landau, L.D., Lifshitz, E.M.: Quantum Mechanics: Non-relativistic Theory, 3rd edn. Butterworth-Heinemann, Oxford (1981)
19. Landau, L.D., Lifshitz, E.M.: Mechanics, 3rd edn. Butterworth-Heinemann, Oxford (1982)
20. Landau, L.D., Lifshitz, E.M.: The Classical Theory of Fields, 4th edn. Butterworth-Heinemann, Oxford (1980)
21. Landau, L.D., Lifshitz, E.M., Pitaevskii, L.P.: Electrodynamics of Continuous Media, 2nd edn. Butterworth-Heinemann, Oxford (1995)

DOI 10.1007/978-3-319-00894-3

22. Berestetskii, V.B., Lifshitz, E.M., Pitaevskii, L.P.: Quantum Electrodynamics, 2nd edn. Butterworth-Heinemann, Oxford (1982)
23. Prudnikov, A.P., Brychkov, Yu.A., Marichev, O.I.: Integrals and Series, vol. 3, Chapter 7. Gordon and Breach, New York (1990)
24. NIST Handbook of Mathematical Functions, ed. by F.W.J. Olver, D.W. Lozier, R.F. Boisvert, C.W. Clark, Cambridge University Press, Cambridge (2010). http://dlmf.nist.gov/
25. http://functions.wolfram.com/
26. Grozin, A.G.: Lectures on QED and QCD: Practical calculation and renormalization of one- and multi-loop Feynman diagrams. World Scientific (2007)
27. Cvitanović, P.: Group Theory. Princeton University Press, Princeton (2008). http://www.nbi.dk/GroupTheory/:

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